

REMARKS

Reconsideration of this application, as presently amended, is respectfully requested.

Claims 92-130 are pending in this application. Claims 92-130 stand rejected.

Claim Rejections-35 U.S.C §102

Claims 92, 93, 97, 100, 101, 103, 106 and 107 were rejected under 35 U.S.C. §102(b) as being anticipated by **Battersby** (USP 5,963,282). For the reasons set forth in detail below, this rejection, to the extent it is considered to apply to the amended claims, is respectfully traversed.

Initially, it is noted that independent claim 92 has been amended to clarify the invention by defining first and second polarization films having polarization transmission axes that are substantially perpendicular to each other, such that light is applied to the solar battery through the liquid crystal display panel when a voltage applied to the liquid crystal display panel is off. Support for these changes to claim 92 is provided, e.g., on page 19, lines 13-20 of the application specification.

The Battersby reference

Battersby discloses a liquid crystal display device having a light absorbing layer 25 positioned at a side opposite a visual recognition side of a liquid crystal display (elements 12, 16, 14, 18 and 20). See, e.g., Fig. 1 and col. 4, lines 23-29; col. 5, lines 1-5. The light absorbing layer 25 is a photovoltaic structure, such as a solar cell. The light absorbing plate serves the dual

functions of absorbing incident visible light and generating electrical power by photoelectric conversion of the received light. See col. 4, lines 10-15 and 23-25.

First, it is submitted that **Battersby** does not disclose or suggest a display device having polarizing films. **Battersby** indicates that the liquid crystal display is made of a PDLC (polymer dispersed liquid crystal) film. In a display using a PDLC film, the PDLC film is normally dispersed between transparent substrates, *without using polarizers*. In any event, **Battersby** does not teach the use of polarizing films.

Further, **Battersby** teaches that when no voltage is applied to the PDLC film, ambient visible light is effectively reflected and scattered (see col. 4, lines 47-58). However, when a voltage is applied to the PDLC film, the film becomes transparent and ambient visible light is transmitted through the film and is incident on the light absorbing layer 25 (see col. 4, line 59-col. 5, line 5). *Thus, Battersby only absorbs light with the light absorbing layer when a voltage is applied to the PDLC film.* In contrast, the invention recited in currently amended claim 1 comprises polarization films having polarization transmission axes that are substantially perpendicular to each other, and light is applied to the solar battery when a voltage to the liquid crystal panel is off, thus resulting in the advantage that electric power is efficiently generated when the display is not in use (see page 19, lines 17-20 of application specification).

In view of the above amendment and remarks, it is respectfully submitted that independent claim 92, and claims 93, 97, 100, 101, 103, 106 and 107 which depend therefrom, patentably distinguish over the cited prior art and define allowable subject matter. Reconsideration and withdrawal of the rejection under §102 are respectfully requested.

Claim Rejections- 35 U.S.C. §103

Claims 94, 95, 99, 102, 104, 108 and 113-126 were rejected under 35 U.S.C. §103(a) as being unpatentable over **Battersby** in view of **Kubota**. Claims 96, 111, 112, 129 and 130 were rejected under 35 U.S.C. §103(a) as being unpatentable over **Battersby** and **Kubota** and further in view of **Kaneko** (USP 6,295,108). Claims 105 was rejected under 35 U.S.C. §103(a) as being unpatentable over **Battersby** in view of **Iwanaga et al.** (USP 6,057, 906). Claims 109 and 110 were rejected under 35 U.S.C. §103(a) as being unpatentable over **Battersby** in view of **Kaneko** (USP 6, 295,108). Claims 127 and 128 were rejected under 35 U.S.C. §103(a) as being unpatentable over **Battersby** and **Kaneko** and further in view of **Kubota**. For the reasons set forth in detail below, these rejections are respectfully traversed.

First, it is submitted that none of **Kubota**, **Kaneko** and **Iwanaga et al.** alleviate any of the deficiencies of **Battersby** discussed above with respect to independent claim 92. Therefore, each of the rejections under §103 is obviated for the same reasons set forth above with respect to the rejection of independent claim 92 because each of the claims rejected under §103 depends from claim 92.

Further, it is noted that the **Kaneko** reference is not effective prior art against the present application under §103 because the present application and the **Kaneko** reference, were, at the time the present invention was made, commonly assigned to Citizen Watch Co., Ltd. More particularly, under 35 U.S.C. §103(c)(1), the **Kaneko** reference is not prior art against the present application because, at the time the present invention was made, the present application and the **Kaneko** reference were commonly assigned to Citizen Watch Co. Ltd.

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Accordingly, it is submitted that the §103 rejections that apply the **Kaneko** reference are obviated for this additional reason.

CONCLUSION

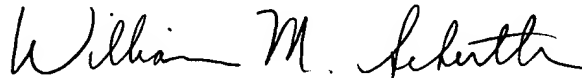
In view of the foregoing amendments and accompanying remarks, it is submitted that all pending claims are in condition for allowance. A prompt and favorable reconsideration of the rejection and an indication of allowability of all pending claims are earnestly solicited.

If the Examiner believes that there are issues remaining to be resolved in this application, the Examiner is invited to contact the undersigned attorney at the telephone number indicated below to arrange for an interview to expedite and complete prosecution of this case.

If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

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